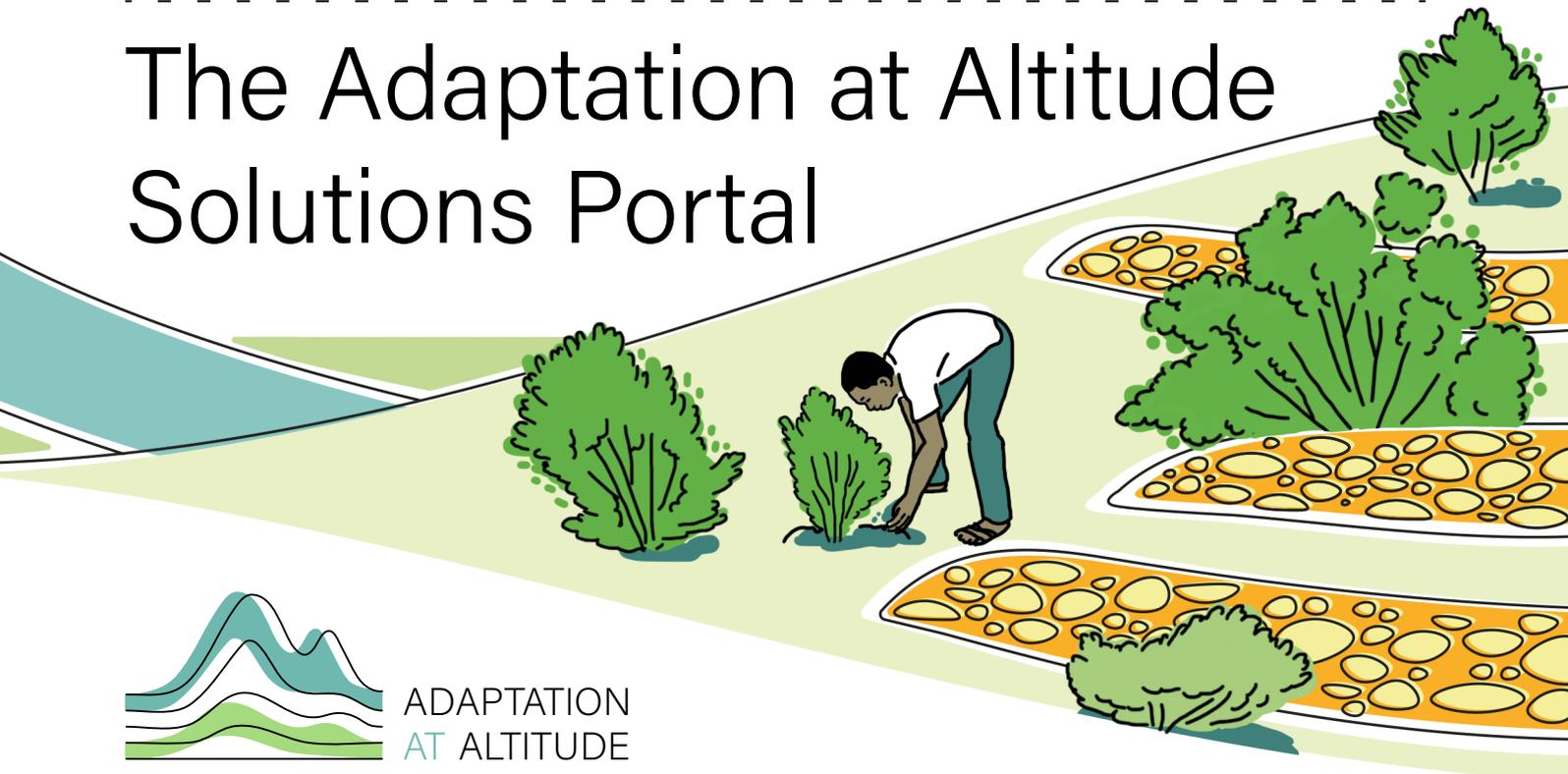




How mountain communities are coping with climate change

# The Adaptation at Altitude Solutions Portal



# Exploring the Solutions Portal

Discover some of the adaptation solutions available in the Portal

[adaptationataltitude.org/solutions-portal](http://adaptationataltitude.org/solutions-portal)



## Peru

### Irrigation for Adaptation

Huaraz, Contumazá and Piura Provinces, Peru  
Peruvian regional governments, supported by the national authorities

Peru is improving irrigation channels in the mountains to provide smallholder farmers better resilience to climate change. Projects to hedge against changes in the water cycle include both technological improvements such as protection walls, covers and modern irrigation equipment, and nature-based solutions such as hillside afforestation.



## Bolivia

### Bioculture and Climate Change

Cochabamba, Bolivia  
The Plurinational Authority of Mother Earth with funding from the Swiss Agency for Development and Cooperation

The application of ancestral knowledge is helping 600 indigenous families strengthen watershed protection and promote the sustainable management of water, soil, forests, and animals across 300 communities.



## Ethiopia

### Sustainable Land Management

Ethiopia  
Government of Ethiopia

Ecosystem restoration and land productivity enhancement through watershed management and rural land certification and administration are helping rural households within 45 watersheds tackle the long-term land degradation that is threatening the agricultural prospects for smallholder farmers.



## China

### Traditional Knowledge for Biodiversity Conservation

North-West Yunnan Province, China  
Multi-stakeholder project

In the Eastern Himalayas, a community-based conservation plan informed by traditional knowledge is helping locals identify biodiversity issues and cope with climate challenges while empowering Tibetan women to participate in decision-making and implementation.



## Myanmar

### Climate- and Nutrition-Smart Villages

Myanmar  
International Institute of Rural Reconstruction

Climate-Smart Villages in four major agro-ecological regions in Myanmar are using weather, water, carbon, nutrient, pest, and energy management techniques to combat food security challenges posed by climate change and to improve livelihood opportunities for farmers.



## Pakistan

### Reducing Risks from Glacial Lake Outburst Floods

Northern Pakistan  
Government of Pakistan with support from UNDP

Improved national management plans, training programmes, and early warning systems are making vulnerable communities in Northern Pakistan more resilient to the dangerous glacial lake outburst floods that are occurring with more frequency with rapid glacial melting.

The Adaptation at Altitude programme seeks to increase the resilience and adaptive capacity of mountain communities and ecosystems to climate change.

The Adaptation at Altitude Solutions Portal allows you to explore tried and tested climate change adaptation solutions for mountain regions, to see where they have been implemented, and to learn more about successful strategies in the mountains. The programme aims to foster exchange among the mountain areas of the world and promote short- and long-term solutions to the problems arising from climate change.

Adaptation at Altitude is a collaborative programme launched and co-supported by the Swiss Agency for Development and Cooperation (SDC).



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